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1. A compound of formula I,

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wherein

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 R^1 represents H, $C(O)R^{11}$, $SiR^{12}R^{13}R^{14}$ or C_{1-6} alkyl which latter group is optionally substituted or terminated by one or more substituent selected from OR^{15} or $(CH_2)_qR^{16}$;

R¹², R¹³ and R¹⁴ independently represent H, phenyl or C₁₋₆ alkyl;

R¹⁶ represents C₁₋₄ alkyl, phenyl, OH, C(O)OR¹⁷ or C(O)N(H)R¹⁸;

 R^{18} represents H, C_{1-4} alkyl or $CH_2C(O)OR^{19}$;

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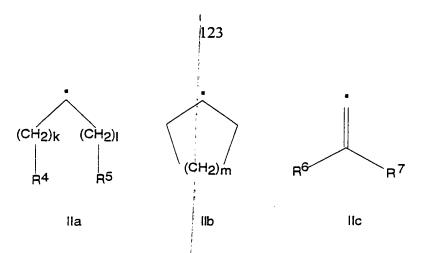
 R^{15} and R^{17} independently represent H, C_{1-6} alkyl or C_{7-9} alkylphenyl; R^{11} and R^{19} independently represent H or C_{1-4} alkyl; and

q represents 0, 1 or 2;

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R² and R³ independently represent H, C₁₋₄ alkyl, cyclohexyl or phenyl;

R' represents a structural fragment of formula IIa, IIb or IIc,



wherein

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k, 1 and m independently represent 0, 1, 2, 3 or 4;

R⁴ and R⁵ independently represent H, Si(Me)₃, 1- or 2-naphthyl, a polycyclic hydrocarbyl group, CHR⁴¹R⁴² or C₁₋₄ alkyl (which latter group is optionally substituted by one or more fluorine atoms), or C₃₋₈ cycloalkyl phenyl, methylenedioxyphenyl, benzodioxanyl, benzofuranyl, dihydrobenzofuranyl, benzothiazolyl, benzoxazolyl, benzimidazolyl, coumaranonyl, coumarinyl or dihydrocoumarinyl (which latter twelve groups are optionally substituted by one or more of C₁₋₄ alkyl (which latter group is optionally substituted by one or more halo substituent), C₁₋₄ alkoxy, halo, hydroxy, cyano, nitro, SO₂NH₂, C(O)OH or N(H)R⁴³); R⁴¹ and R⁴² independently represent cyclohexyl or phenyl;

20 R⁶ and R⁷ independently represent H, C₁₋₄ alkyl, C₃₋₈ cycloalkyl, phenyl (which latter group is are optionally substituted by one or more of C₁₋₄ alkyl (which latter group is optionally substituted by one or more halo substituent), C₁₋₄ alkoxy, halo, hydroxy, cyano, nitro, SO₂NH₂, C(O)OH or N(H)R⁴⁴) or together with the carbon atom to which they are attached form a C₃₋₈ cycloalkyl ring;

 R^{43} and R^{44} independently represent H or C(O) R^{45} ; and R^{45} represents H, C_{1-4} alkyl or C_{1-4} alkoxy;

Y represents CH₂, (CH₂)₂, CH=CH, (CH₂)₃, CH₂CH=CH or CH=CHCH₂, which latter three groups are optionally substituted by C₁₋₄ alkyl,

B represents a structural fragment of formula IVa, IVb or IVc

NH₂
IVa

IVa

IVa

wherein

X1 and X2 independently represents a single bond or CH2;

or a pharmaceutically acceptable salt thereof.

2. A compound of formula I, as defined in Claim 1, wherein when n represents 2 and B represents a structural fragment of formula IVb, X^1 and X^2 do not both represent CH_2 .

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- 3. A compound of formula 1, as defined in Claim 1 or Claim 2, wherein R^1 represents optionally substituted C_{1-6} alkyl or H.
- 4. A compound of formula 1, as defined in Claim 3, wherein R¹ represents H.
- 5. A compound of formula I, as defined in any one of the preceding

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7. A compound of formula I, as defined in Claim 1 or any one of Claims 3 to 6, wherein n represents 1.

8. A compound of formula I, as defined in Claim 1 or any one of Claims 3 to 7, wherein B represents a structural fragment of formula IVa.

9. A compound of formula I, as defined in any one of the preceding claims, wherein the fragment

is in the S-configuration.

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10. A compound as claimed in Claim 1 which is

(R)-PhCH(CH₂OH)- $\dot{\mathbf{C}}$ (O)-Aze-Pab;

(S)-PhCH(CH₂OH)-¢(O)-Aze-Pab;

(R)-3-methoxypheny, 1-CH(CH₂OH)-C(O)-Aze-Pab;

(S)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Aze-Pab;

(R,S)-3,4-dimethoxyphenyl-CH(CH₂OH)-C(O)-Aze-Pab;

(R)-2-naphthyl-CH(CH_2OH)-C(O)-Aze-Pab;

(S)-2-naphthyl-CH($\overset{\circ}{\mathbb{C}}$ H₂OH)-C(O)-Aze-Pab;

(R)-PhCH(CH₂OH)-C(O)-Aze-Pig;

30 (S)-PhCH(CH₂OH)-C(O)-Aze-Pig;

- (R,S)-PhCH(CH₂OH)-C(O)-Pro-(R,S)-Hig;
- (R)-2,5-dimethoxyphenyl-CH(CH₂OH)-C(O)-Aze-Pab;
- (S)-2,5-dimethoxyphenyl-CH(CH₂OH)-C(O)-Aze-Pab;
- (S)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
- (R)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R,S)-3-aminophenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R)-3-(methylamino)phenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (S)-3-(methylamino)phenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (S)-PhCH(CH₂OH)-C(O)-Pro-Pab;
- 10 (R,S)-3,5-dimethylphenyl-CH(CH₂OH)-C(O)-Aze-Pab;
 - (S)-3-(trifluoromethyl)phenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R)-3-(trifluoromethyl)phenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R,S)-3-hydroxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R)-((3-chloro-5-methylphenyl)-CH(CH₂OH)-C(O)-Pro-Pab;
- (S)-((3-chloro-5-methylphenyl)- $CH(CH_2OH)$ -C(O)-Pro-Pab;
 - (S)-3-fluorophenyl-CH(CH₂OH)CO-Pro-Pab;
 - (R)-3-fluorophenyl-CH(CH₂OH)CO-Pro-Pab;
 - (S)-3-chlorophenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R)-3-chlorophenyl-CH(CH₂OH)-C(O)-Pro-Pab;
- 20 (R,S)-3,5-dimethylphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (S)-3,5-bis(trifluoromethyl)phenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R)-3,5-bis(trifluoromethyl)phenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R,S)-3-methoxy-5-methylphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R,S)-(2,5-dimethoxyphenyl)-CH(CH₂OH)-C(O)-Pro-Pab;
- (R,S)-(3,5-dimethoxyphenyl)-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R,S)-3,4-(methylenedioxyphenyl)-CH(CH₂OH)-C(O)-Pro-Pab;
 - (S)-3-(2-naphthyl)-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R)-3-(2-naphthyl)-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R,S)-3,5-dimethoxyphenyl-CH(CH₂OH)-C(O)-Aze-Pab;

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(R,S)-2-chloro-5-aminophenyl-CH(CH<sub>2</sub>OH)-C(O)-Aze-Pab;
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- (R)-3-methylphenyl-CH(CH,OH)-C(O)-Aze-Pab;
- (S)-3-methylphenyl-CH(CH₂OH)-C(O)-Aze-Pab;
- (R)-2,5-dimethylphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
- (S)-2,5-dimethylphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
- (R)-3-methoxy-4-hydroxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
- (S)-3-methoxy-4-hydroxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
- (R)-3,5-dichlorophenyl-CH(C H_2 OH)-C(O)-Pro-Pab;
- (S)-3,5-dichlorophenyl-CH(CH₂OH)-C(O)-Pro-Pab;
- (R)-2,3-dimethoxyphenyl † CH(CH₂OH)-C(O)-Pro-Pab;
 - (S)-2,3-dimethoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R)-3-methoxy-5-chlorophenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (S)-3-methoxy-5-chlorophenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R)-2-methyl-5-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
- s (S)-2-methyl-5-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab;
 - (R,S)-Ph-C(Me)(CH₂OMe)-C(O)-Pro-Pab;
 - (R)-2-chloro-3-methylphenyl-CH(CH₂OH)-C(O)-Aze-Pab;
 - (S)-2-chloro-3-methylphenyl-CH(CH₂OH)-C(O)-Aze-Pab;
 - (R)-2,3-(methylenedioxyphenyl)-CH(CH₂OH)-C(O)-Pro-Pab;
- (3)-2,3-(methylenedioxyphenyl)-CH(CH₂OH)-C(O)-Pro-Pab; or
 - (R,S)-Ph-C(Me)(CH₂ ϕ Me)-C(O)-Aze-Pab;
 - or a pharmaceutically acceptable salt thereof.

11. A compound of formula I, as defined in Claim 1, provided that when R^x represents a structural fragment of formula IIa, then R^4 and/or R^5 (as appropriate) do/does not represent phenyl substituted by halo-substituted C_{1-6} alkyl.

12. A compound of formula I, as defined in Claim 1, provided that when

R^x represents a structural fragment of formula IIa, then R⁴ and/or R⁵ (as

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appropriate) do/does not represent methylenedioxyphenyl, benzodioxanyl, benzofuranyl, dihydrobenzofuranyl, benzothiazolyl, benzoxazolyl, benzimidazolyl, coumaranonyl, coumarinyl or dihydrocoumarinyl.

13. A compound of formula I, as defined in Claim 1, provided that when R^x represents a structural fragment of formula IIc, then R⁶ and/or R⁷ (as appropriate) represent(s) unsubstituted phenyl.

14. A compound of formula I, as defined in Claim 1, wherein, when R^x represents a structural fragment of formula IIa, then R^4 and/or R^5 (as appropriate) represent(s) phenyl substituted by halo-substituted C_{1-6} alkyl.

15. A compound of formula I, as defined in Claim 1, wherein, when R^x represents a structural fragment of formula IIa, then R⁴ and/or R⁵ (as appropriate) represent(s) methylenedioxyphenyl, benzodioxanyl, benzofuranyl, dihydrobenzofuranyl, benzothiazolyl, benzoxazolyl, benzimidazolyl, coumaranonyl, coumarinyl or dihydrocoumarinyl.

16. A compound of formula I, as defined in Claim 1, wherein, when R^x represents a structural fragment of formula He, then R⁶ and/or R⁷ (as appropriate) represent(s) substituted phenyl.

17. A compound of formula Ia,

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wherein B1 represents a structural fragment of formula IVd, IVe or IVf

wherein D^1 and D^2 independently represent H, OH, OR^a, OC(O)R^b, OC(O)OR^c, C(O)OR^d, C(O)R^e and R^a, R^b, R^c, R^d and R^e independently represent phenyl, benzyl, (CH₂)₂OC(O)CH₃ or C₁₋₆ alkyl which latter group is optionally interrupted by oxygen; and R¹, R², R³, R^x, Y, n, X¹ and X² are as defined in Claim 1, or a pharmaceutically acceptable salt thereof, provided that D¹ and D² do not both represent H.

18. A compound of formula Ia, as defined in Claim 17, wherein D^1 represents H and D^2 represents OH, OCH₃, OC(O)R^b or C(O)OR^d and R^b and R^d are as defined in Claim 17.

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- 19. A compound as claimed in Claim 17 which is
- (R,S)-Ph-CH(CH₂OH)-C(O)-Pro-Pab-OH;
- (R)-3-methoxyphenyl-QH(CH₂OH)-C(O)-Aze-Pab-OH;
- (S)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Aze-Pab-OH;
- (S)-3-methoxyphenyl- $CH(CH_2OH)CO$ -Pro-Pab(Z);
- (R)-3-methoxyphenyl-C $H(CH_2OH)CO$ -Pro-Pab(Z);
- (S)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab-OH;
- (R)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab-OH;
- (S)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab-OC(O)Et;
- (R)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab-OC(O)Et;
- 30 (S)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab-OC(O)CH₃;

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(R)-3-methoxyphenyl-CH(CH₂OH)-C(O)-Pro-Pab-OC(O)CH₃;

(R,S)-3-Ph-C(Me)(CH₂OMe)-C(O)-Pro-Pab(Z); or

(R,S)-3-methylphenyl-CH(CH₂OAc)-C(O)-Pro-Pab-OMe;

or a pharmaceutically acceptable salt thereof.

20. A pharmaceutical formulation including a compound as defined in any one of Claims 1 to 19, or a pharmaceutically acceptable salt thereof, in admixture with a pharmaceutically acceptable adjuvant, diluent or carrier.

21. A compound as defined in any one of Claims 1 to 19, or a pharmaceutically acceptable salt thereof, for use as a pharmaceutical.

22. A compound as defined in any one of Claims 1 to 19, or a pharmaceutically acceptable salt thereof, for use in the treatment of a condition where inhibition of thrombin is required.

23. A compound as defined in any one of Claims 1 to 19, or a pharmaceutically acceptable salt thereof, for use in the treatment of thrombosis.

24. A compound of formula I as defined in any one of Claims 1 to 19, or a pharmaceutically acceptable salt thereof, for use as an anticoagulant.

25. The use of a compound I as defined in any one of Claims 1 to 19, or a pharmaceutically acceptable salt thereof as active ingredient in the manufacture of a medicament for the treatment of a condition where inhibition of thrombin is required.

26. The use as claimed in Claim 25, wherein the condition is thrombosis.

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27. The use of a compound as defined in any one of Claims 1 to 19, or a pharmaceutically acceptable salt thereof, as active ingredient in the manufacture of an anticoagulant.

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28. A method of treatment of a condition where inhibition of thrombin is required which method comprises administration of a therapeutically effective amount of a compound as defined in any one of Claims 1 to 19, or a pharmaceutically acceptable salt thereof, to a person suffering from, or susceptible to, such a condition.

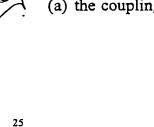
29. A method as claimed in Claim 28, wherein the condition is thrombosis.

30. A method as claimed in Claim 28, wherein the condition is hypercoagulability in blood and tissues.

31. The use of a compound as defined in any one if Claims 17, 18 or 19 as a prodrug.

32. A process for the preparation of compounds of formula I which comprises:

(a) the coupling of a compound of formula V,



wherein R¹, R², R³ and R^x are as defined in Claim 1, with a compound of formula VI,

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wherein Y, n and B are as defined in Claim 1; or (b) the coupling of a compound of formula VII,

R² R³ O VII

wherein R¹, R², R³, R^x and Y are as defined in Claim 1 with a compound of formula VIII,

 $H_2N-(CH_2)_n-B$ VIII

wherein n and B are as defined in Claim 1.

